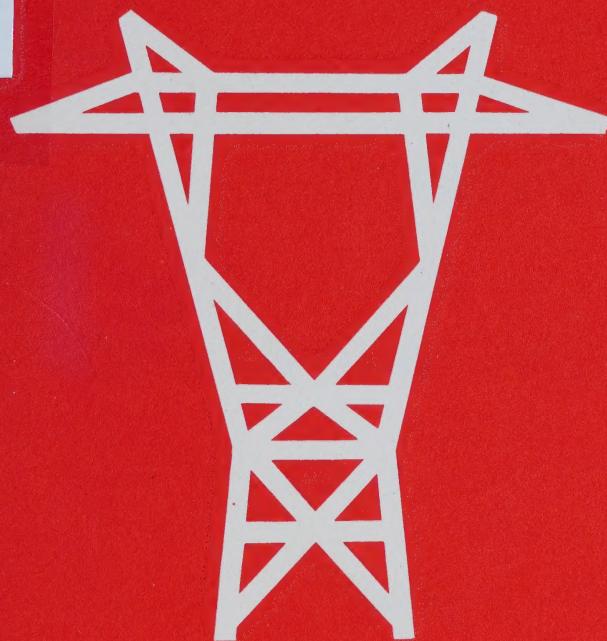


CAI
MT 51
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Inland water branch.

Govt
Prints

1965



ELECTRIC POWER IN CANADA

MAP SUPPLEMENT • QUEBEC

NOTE

Effective January 1, 1966, the Water Resources Branch was transferred from the Department of Northern Affairs and National Resources to the Department of Mines and Technical Surveys, pending the establishment by Parliament of the proposed new Department of Energy and Resources.

CAI MT 51

S22



**TRANSMISSION
AND
GENERATING FACILITIES**

Québec

DEPARTMENT OF MINES AND TECHNICAL SURVEYS
WATER RESOURCES BRANCH

ROGER DUHAMEL, F.R.S.C.
Queen's Printer and Controller of Stationery
Ottawa, 1966

HYDRO

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
<i>Quebec</i>											
1	Beauharnois: Section 1	St. Lawrence	QHEC	1932	1948	80	8	53,000		37,300	
	Section 2			1950	1953	80	9	55,000		40,000	
	Section 3			1959	1961	80	10	56,000		41,120	
2	Bersimis I	Bersimis	QHEC	1956	1958	785	8	150,000	1,200,000	114,000	912,000
3	Chute des Passes	Peribonka	ALCAN	1959	1960	540	5	200,000	1,000,000	148,500	742,500
4	Shipshaw	Saguenay	ALCAN	1942	1943	208	2	95,000		58,500	
						6		103,000		60,000	
						2		101,000		60,000	
						2		95,000	1,200,000	60,000	717,000
5	Bersimis II	Bersimis	QHEC	1959	1960	380	5	171,000	855,000	131,000	655,000
6	Carillon	Ottawa	QHEC	1962	1964	61	14	60,000	840,000	46,750	654,500
7	Manic 2	Manicouagan	QHEC	1965	1965	230	5	170,000	850,000	127,000	635,000
8	Isle Maligne	Saguenay	ALCAN	1925	1937	110	12	45,000	540,000	28,000	336,000
9	McCormick	Manicouagan	MP	1951	1965	124	2	56,200		35,625	
						3		60,000		40,000	
						2		80,000	452,400	60,000	311,250
10	Trenche	St. Maurice	QHEC	1950	1955	160	6	65,000	390,000	47,700	286,200
11	Beaumont	St. Maurice	QHEC	1958	1959	124	6	55,000	330,000	40,500	243,000
12	La Tuque	St. Maurice	QHEC	1940	1955	114	5	44,500		36,000	
						1		49,000	271,500	36,000	216,000
13	Paugan	Gatineau	QHEC	1928	1956	133	1	47,000		32,400	
						132	7	34,000	285,000	24,225	201,975
14	Chute-à-la-Savanne	Peribonka	ALCAN	1953	1953	110	5	57,000	285,000	37,450	187,250
15	Chute-du-Diable	Peribonka	ALCAN	1952	1952	110	5	55,000	275,000	37,450	187,250
16	Rapide Blanc	St. Maurice	QHEC	1934	1955	108	1	44,500		30,600	
						5		40,000	244,500	30,600	183,600
17	Chute à Caron	Saguenay	ALCAN	1931	1934	160	4	75,000	300,000	45,000	180,000
18	Shawinigan No. 2	St. Maurice	QHEC	1911	1929	146	3	43,000		30,000	
						145	3	18,500		15,000	
						145	2	18,500	221,500	14,000	163,000
19	Cedars	St. Lawrence	QHEC	1914	1924	30	12	10,800		9,000	
						6		11,300	197,400	9,000	162,000
20	Shawinigan No. 3	St. Maurice	QHEC	1948	1949	145	3	65,000	195,000	50,000	150,000
21	Grand'Mère	St. Maurice	QHEC	1915	1930	80	5	22,000		15,700	
						80	1	22,000		18,000	
						80	1	24,500		20,000	
						84	2	22,000	200,500	15,700	147,900
22	Chelsea	Gatineau	QHEC	1927	1939	93	5	34,000	170,000	28,800	144,000
23	La Gabelle	St. Maurice	QHEC	1924	1931	63	3	36,000		24,700	
						63	1	32,000		24,700	
						60	1	32,000	172,000	24,700	123,500
24	Farmers Rapids	Gatineau	QHEC	1927	1947	66	3	24,000		20,000	
						2		24,000	120,000	19,125	98,250
25	Masson	Lièvre	MQPC	1933	1933	185	4	34,000	136,000	23,800	95,200
26	Quinze Rapids	Ottawa (Upper)	QHEC	1923	1955	90	2	12,500		8,000	
						2		12,500		10,800	
						2		34,500	119,000	26,000	89,600
27	High Falls	Lièvre	MQPC	1930	1936	180	1	32,500		21,250	
						3		30,000	122,500	21,250	85,000
28	Chats Falls	Ottawa	OVPC	1932	1932	53	4	29,940	119,760	20,000	80,000

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
QUEBEC (Cont'd)											
29	Bryson	Ottawa	QHEC	1925	1949	60	2	25,700 27,000	78,400	18,000 20,000	56,000
30	Murdock Willson	Shipshaw	PBC	1957	-	263	1	82,000	82,000	51,000	51,000
31	Jim Gray	Shipshaw	PBC	1953	1953	338	2	35,000	70,000	25,500	51,000
32	Outardes Falls	Outardes	QNSPC	1937	1937	208	2	35,300	70,600	25,000	50,000
33	Fifty Foot Falls	Hart Jaune	HJP	1960	1960	123	3	22,000	66,000	16,150	48,450
34	Rapid VII	Ottawa (Upper)	QHEC	1941	1949	68	4	16,000	64,000	12,000	48,000
35	Rapid II	Ottawa (Upper)	QHEC	1954	1964	67	4	16,000	64,000	12,000	48,000
36	Montreal Island	Prairies	QHEC	1929	1930	25	6	10,000	60,000	7,500	45,000
37	Dufferin Falls	Lièvre	JMC	1958	1959	62	2	25,000	50,000	19,125	38,250
38	Chicoutimi	Chicoutimi	SMPC	1957	-	273	1	42,000	42,000	32,000	32,000
39	Hemming Falls	St. François	QHEC	1925	1925	50	6	5,600	33,600	4,800	28,800
40	Seven Falls	St. Anne (de Beaupré)	QHEC	1915	1915	410	4	6,000	24,000	4,680	18,720
41	Ste. Marguerite	Marguerite	GPC	1954	1954	100	2	12,000	24,000	8,800	17,600
42	Kipawa	Gordon Creek	QHEC	1920	1926	200	2	3,600 8,500	24,200	2,800 5,760	17,120
43	Chaudière No. 2	Ottawa	QHEC	1920	1923	32	2	7,500 7,500	22,500	5,400 5,760	16,560
44	St. Narcisse	Batiscan	QHEC	1926	1926	147	2	11,100	22,200	7,500	15,000
45	Drummondville	St. François	QHEC	1910	1925	30	2	3,200 6,000	18,400	2,500 4,800	14,600
46	Chutes aux Galets	Shipshaw	PBC	1921	1921	101	2	8,820	17,640	6,800	13,600
47	Chaudière Falls	Ottawa	EBEC	1913	1955	38	3	5,500	16,500	3,750	11,250
48	Chicoutimi	Chicoutimi	PBC	1923	-	72	1	11,000	11,000	9,900	9,900
49	Waltham	Black	PELC	1917	1951	129	1	1,800 2,250 2,500 3,000	12,550	1,250 1,530 1,800 2,250	9,080
50	Chaudière No. 1	Ottawa	QHEC	1902	1912	38	3	2,500 3,300 3,300	14,100	1,275 1,700 2,125	7,650
51	Buckingham	Lièvre	ERC	1914	1939	30	1	2,000 2,500 2,000	10,500	1,375 1,836 1,440	7,531
52	Price	Mitis	QHEC	1922	1929	128	1	3,700	9,600	2,400	6,400
53	Adam Cunningham	Shipshaw	PBC	1953	-	56	1	9,500	9,500	6,375	6,375
54	Arnaud Bridge	Chicoutimi	QHEC	1923	1923	56	1	2,500 2,500	7,500	1,700 1,875	5,450
55	Bell Falls	Rouge	QHEC	1915	1920	54	3	2,400	7,200	1,600	4,800
56	Kenogami	Au Sable	PBC	1912	1912	264	2	3,350	6,700	2,345	4,690
57	Grand Mitis No. 2	Mitis	QHEC	1947	-	75	1	6,000	6,000	4,250	4,250
58	Jonquière	Au Sable	MJ	1907	1924	42	1	1,800 4,030	5,830	1,280 2,812	4,092
59	Westbury	St. François	CS	1928	1928	28	2	2,900	5,800	2,000	4,000
60	Lachute	North	AL	1929	1929	36	3	1,500	4,500	1,080	3,240

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
QUEBEC (Cont'd)											
61	Windsor Mills	St. François	DPP	1936	1939	19	2	1,500 800 430	4,230	1,120 600 320	3,160
62	Weedon	St. François	CS	1920	1926	30 29	2	1,700 1,700	5,100	1,040 1,040	3,120
63	St. Alban	Ste. Anne de la Pérade	QHEC	1927	-	64	1	4,000	4,000	3,000	3,000
64	St. Raphael	Sud	QHEC	1921	1921	232	3	1,500	4,500	850	2,550
65	Garneau Falls	Chicoutimi	QHEC	1928	-	30	1	3,500	3,500	2,520	2,520
66	Chaudière	Chaudière	QHEC	1900	1903	114	2	1,400 2,000	4,800	750 1,000	2,500
67	Domtar	Jacques Cartier	DT	1960	1962	60	2	1,200	2,400	1,200	2,400
68	MacDougall Falls	Jacques Cartier	DP	1925	1927	50	2	1,900	3,800	1,200	2,400
69	Jonquière Mill	Au Sable	PBC	1916	1916	67	1	1,800 1,625	3,425	1,200 1,200	2,400
70	Winneway	Winneway (Upper Ottawa)	LMC	1938	1943	57	2	1,400	2,800	1,169	2,338
71	Ogilvie Flour Mills	Lachine Canal	OFM	1940	1948	23 15	2	1,600 400	4,000	850 300	2,300
72	Mont Laurier	Lièvre	EML	1937	1951	22	1	500	3,150	500 900	2,300
73	Sherbrooke	Magog	QHEC	1910	1910	57	3	1,333	4,000	752	2,256
74	Magpie	Magpie	QHEC	1961	1961	27	2	1,500	3,000	1,000	2,000
75	Magog	Magog	DTC	1920	1920	25	2	1,500	3,000	1,000	2,000
76	Corbeau	Gatineau	QHEC	1926	1926	12	2	1,250	2,500	1,000	2,000
77	Bird's Mill Falls	Jacques Cartier	DP	1937	-	27	1	2,250	2,250	1,920	1,920
78	Rock Forest	Magog	CS	1911	1911	30	2	1,500	3,000	940	1,880
79	Rivière-du-Loup	Du Loup	CRL	1929	1942	100	1	960 1,800	2,760	640 1,200	1,840
80	Rawdon	Ouareau	QHEC	1927	-	50	1	2,300	2,300	1,720	1,720
81	Frontenac	Magog	CS	1917	1917	38	2	1,450	2,900	800	1,600
82	Burroughs Falls	Nigger	QHEC	1929	-	175	1	2,000	2,000	1,600	1,600
83	Natural Steps	Montmorency	QHEC	1908	-	60	1	2,225	2,225	1,500	1,500
Total capacity of plants under 1,500 kw.										40,593	28,138
Total capacity of turbines connected directly to mechanical equipment										59,365	
Total (all plants)										14,382,478	10,339,085

THERMAL

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.

Quebec

1	Tracy	Tracy	QHEC	1964	-	Oil	S	2	150,000	300,000
2	Les Boules	Les Boules	QHEC	1955	1960	Oil	GT	6	6,000	36,000
3	Chandler	Chandler	GPP	1930	1954	Oil	S	1	6,000	
								1	2,500	
								1	4,000	12,500
4	Noranda	Noranda	NM	1934	1957	Waste heat	S	1	2,600	
								1	3,000	
								1	4,500	10,100
5	Drummondville	Drummondville	CCL	1935	1953	Coal, oil	S	1	1,500	
								1	2,500	
								1	3,500	
								1	2,000	9,500
6	Murdochville	Murdochville	GCM	1952	1955	Oil, waste heat	S	1	5,400	
							IC	2	1,000	
								1	300	7,700
7	Thurso	Thurso	TPPC	1957	-	Coal, oil, wood-waste	S	1	7,500	7,500
8	Quebec City	Quebec City	ACPP	1927	-	Oil	S	1	7,500	7,500
9	Cap aux Meules	Îles-de-la-Madeleine	QHEC	1953	1964	Oil	IC	2	250	
								1	400	
								1	1,065	
								1	1,000	
								1	1,100	4,065
10	Magog	Magog	DTC	1938	1948	Coal	S	2	2,000	4,000
11	Gatineau	Gatineau	CIPC	1927	1927	Coal	S	4	900	3,600
12	Montreal	Montreal	CDSC	1925	1947	Gas, oil	S	2	1,000	
								1	1,500	3,500
13	Port and Terminal (Stand-by)	Port Cartier	QCMC	1960	1960	Oil	IC	3	1,000	
								1	350	3,350
14	Lac Jeannine (Stand-by)	Gagnon	QCMC	1960	1960	Oil	IC	3	350	
								2	1,000	3,050
15	Schefferville	Schefferville	IOCC	1956	1956	Oil	IC	3	1,000	3,000
16	Thrée Rivers	Three Rivers	CIPC	1922	1925	Coal, oil, wood-waste	S	6	500	3,000
17	Beaupré	Beaupré	SAPC	1927	1927	Coal	S	2	750	
								2	650	2,800
18	Havre St. Pierre	Havre St. Pierre	REC	1950	1963	Oil	IC	1	1,000	
								1	500	
								3	300	2,400
19	Rivière-du-Loup	Rivière-du-Loup	CRL	1947	1953	Oil	IC	2	240	
								1	1,360	1,840

Total capacity of plants 1,500 kw. and over (not listed above) 11,150

Total capacity of plants under 1,500 kw. 10,112

Total (all plants) 446,667

OWNER CODE INDEX

CODE	OWNER
ACPP.....	Anglo-Canadian Pulp and Paper Mills Limited
AL.....	Ayers Limited
ALCAN.....	Aluminum Company of Canada Limited
CCL.....	Canadian Celanese Limited
CDSC.....	Canada and Dominion Sugar Company Limited
CIPC.....	Canadian International Paper Company
CRL.....	City of Rivière-du-Loup
CS.....	City of Sherbrooke
DP.....	Donnacona Paper Company
DPP.....	Domtar Pulp and Paper Company Limited
DT.....	Dominion Tar and Chemical Company
DTC.....	Dominion Textile Company Limited
EBEC.....	E. B. Eddy Company
EML.....	Électrique de Mont Laurier Limitée
ERC.....	Electric Reduction Company
GCM.....	Gaspé Copper Mines Limited
GPC.....	Gulf Power Company
GPP.....	Gaspesia Pulp and Paper Company Limited
HJP.....	Hart Jaume Power Company
IOCC.....	Iron Ore Company of Canada
JMC.....	James MacLaren Company Limited
LMC.....	Lorraine Mining Company Limited
MCL.....	Mohawk Corporation Limited
MJ.....	Municipality of Jonquière
MP.....	Manicouagan Power Company
MQPC	MacLaren-Québec Power Company
NM	Noranda Mines Limited
OFM	Ogilvie Flour Mills
OVPC	Ottawa Valley Power Company
PBC.....	Price Brothers and Company Limited
PELC.....	Pembroke Electric Light Company Limited
QCMC	Québec Cartier Mining Company
QHEC.....	Québec Hydro-Electric Commission
QNSPC	Québec-North Shore Paper Company
REC.....	Romaine Electric Company Limited
SAPC.....	Ste. Anne Paper Company Limited
SMPC.....	Smelter Power Corporation
TPPC.....	Thurso Pulp and Paper Company

